



Chad T. Williams, P.E.

Principal Engineer (Forensics)

chad.williams@insightforensics.us

1-918-960-4065

March 2019

Professional Summary:

Mr. Williams is a Principal Engineer with more than 16 years of engineering experience including more than 10 years of experience in forensics and facility operations engineering for single and multi-family residential facilities, commercial facilities, aviation/military/industrial facilities, institutional facilities, and boat docks.

His forensic engineering experience includes the assessment of damage and other conditions related to construction defects, engineering and other design errors, differential soil movement, drainage failures, earthquakes, explosions, exterior veneers damage and failures (brick, stucco and EIFS), fires, floods, foundation movement and failures, hail storms, hoarding behaviors, hurricanes, insect damage, pavement failures, surface and subgrade plumbing system failures, surface and overland flooding, soils and ground movements, tornadoes, vehicle impacts to buildings, water intrusions, and wind. Mr. Williams' design experience includes commercial and institutional site and grading plans, the design of water distribution and sanitary sewer collection systems, and the design of storm water management systems for roadway and intersection projects.

Mr. Williams has performed evaluations and technical assessments following disasters and events with regional impacts including: generalized seismic (earthquake) activity in the central United States between 2011 and 2019 including the M 5.6 Earthquake reported near Prague/Shawnee, Oklahoma on November 6, 2011, the M 5.8 Earthquake reported near Pawnee, Oklahoma on September 3, 2016, the M 5.0 Earthquake reported near Cushing, Oklahoma on November 6, 2016; Hurricane Michael in Panama City and Mexico Beach, Florida during October 2018; and tornadoes reported on April 3, 2012 in Dallas, Texas, on April 14-15, 2012 in Woodward, Oklahoma, on April 17, 2013 in Broken Arrow, Oklahoma, on May 20, 2013 in Moore, Oklahoma, on May 31, 2013 in El Reno, Oklahoma, on April 27, 2014 in Quapaw, Oklahoma, on March 25, 2015 in Moore, Oklahoma, on May 16, 2015 in Broken Arrow, Oklahoma, on March 31, 2016 in Owasso, Oklahoma, and on August 6, 2017, in Tulsa, Oklahoma.

Education and Licensure:

Bachelor of Science in Civil Engineering: University of Oklahoma, 2001 (Areas of Study: Civil, Geotechnical, and Structural Engineering).

Licensed Professional Engineer: Alabama (35023-E), Arkansas (15065), Colorado (51092), Florida (84857), Iowa (22714), Kansas (22226), New Mexico (22892), Louisiana (42493), Mississippi (26496), Missouri (201216111), Nebraska (E-15038), Oklahoma (22778), South Dakota (12444), Texas (111979), and Wyoming (15461)



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Professional Affiliations:

American Society of Civil Engineers (ASCE), Member (2004 to Present)

National Academy of Forensic Engineers (NAFE), Associate Member (2017 to Present),

National Society of Professional Engineers (NSPE), Member (2014 to Present)

- House of Delegates Member for Oklahoma (2016-2019),
- Financial Technology Task Force Member (2016),
- Business Model Task Force II Member (2017-2018)

Oklahoma Society of Professional Engineers (OSPE), Member (2014 to Present)

- Vice President for Membership (2015 - 2016),
- Member of the Board of Directors (2015-Present)

Professional Experience:

Insight Forensics Inc., Principal Engineer/Designated Agent, 2019-Present

EFI Global, Inc., Senior Engineer/Engineer of Record for Oklahoma/Designated Agent, 2016-2019

PTC|LWG, Tulsa, Oklahoma, Senior Engineer, 2015-2016.

Rimkus Consulting Group, Inc., Senior Engineer/Engineer of Record for Oklahoma, 2011 – 2015

Parsons (Maintenance Engineering), Senior Engineer/Lead Civil Engineer, 2008 – 2011

SMC Consulting Engineers, P.C., Project Manager/Civil Engineer, 2006 – 2008

BKL, Inc., Project Manager/Civil Engineer, 2005 - 2006

Sack and Associates, Inc., Project Manager/Civil Engineer, 2004 - 2005

Kellogg Engineering, Civil Engineer (Utility/Land Development), 2003 - 2004

City of Owasso, Oklahoma, Civil Engineer (Land Development) 2002-2003



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Specialized Continuing Education:

- US Army Corps of Engineers (USACOE): PCASE Workshop (2011) and Security Engineering (2008)
- SDDCTEA: Maintaining Control Workshop and Traffic Engineering and Safety Workshop (2010)
- American Society of Civil Engineers (ASCE): Low Impact Development Applications for Water Resource Management (2007), Sustainable Land Development: Ensuring Growth in a Green Economy (2008), and Techniques for Pavement Rehabilitation (2009)
- Oklahoma Society of Professional Engineers: Oklahoma Engineering Conference (2014-2018)
- National Academy of Forensic Engineers: Winter Meeting 2017, Summer Meeting 2017, Summer Meeting 2018.

Representative Continuing Education Courses/Technical Papers Presented:

National Tornado Summit 2019:

- Wind, Waves, or Something Else: The forensics of boat dock evaluations
- Lightning Strikes to Residential Buildings: Impacts beyond the electrical system

National Academy of Forensic Engineers (NAFE) Summer Meeting 2018:

- Forensic Evaluations of Residential and Light Commercial Buildings following Oklahoma Earthquakes

National Tornado Summit 2018:

- Wind and Hail Damage to Commercial Roofing

Oklahoma Engineering Conference 2016:

- Forensic Engineering

Tulsa Claims Association 2015:

- Differentiating Earthquake Damage from Other Structural Movement

Private Organization Presentation 2013:

- Thermal Imaging: Applications in Insurance Claims Investigations